

The graphic features a green and blue background with a stylized globe on the left and a smaller globe on the right. Two white commercial airplanes are shown flying. The top-left airplane is emitting yellow wavy arrows representing emissions. The bottom-right airplane is flying in front of the smaller globe. The sun is partially visible in the top-left corner, and green foliage is at the bottom right.

# ICAO Symposium on Non-CO<sub>2</sub> Aviation Emissions

16 — 18 September 2024  
Montréal, Canada

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## Māra Dāme

Environment Project Manager  
European Aviation Safety Agency – EASA



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Speaker

Session 3: Mitigating Non-CO<sub>2</sub> Aviation Emissions –  
What is possible  
Part III - Sustainable Aviation Fuels (SAF), Lower Carbon  
Aviation Fuels (LCAF), and Cleaner Energy



# Pilot project “Aviation fuel standards and safety certification”

Budget:  
1 million EUR (further  
budget allocation  
likely)

Duration:  
2 years (extension  
likely)

Pilot project examines the feasibility to optimise fuel composition with the motivation to lower aviation’s environmental footprint. The project was tasked to EASA by the European Parliament and started in December 2023

**Is it possible and feasible to change the composition of aviation fuel via an amended/new standard lowering the amounts of aromatics, naphthalene, and sulphur?**

**Analyse options for implementing such an amended/new fuel standard, including possibly designating a body to strengthen EU coordination in the field of aviation fuels.**

# Three important elements of the Project



1

Safety and technical feasibility

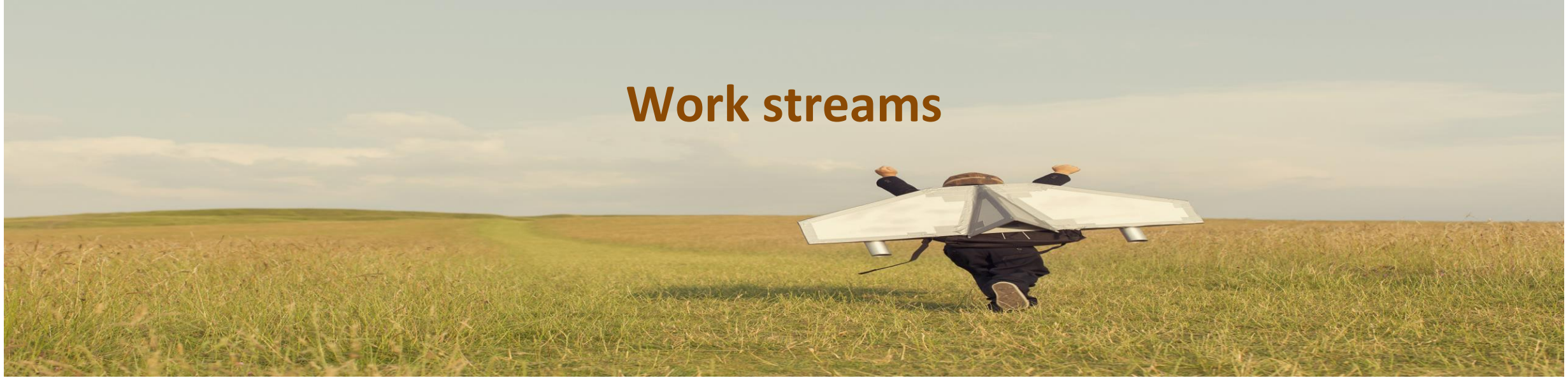
2

Global outreach and harmonisation

3

Sustainability and climate impact mitigation

# Work streams



WP1

Current system analyses  
- status quo

WP2

Short term use case: Preparatory  
work to develop fuel standard to  
lower non-CO2 climate impacts

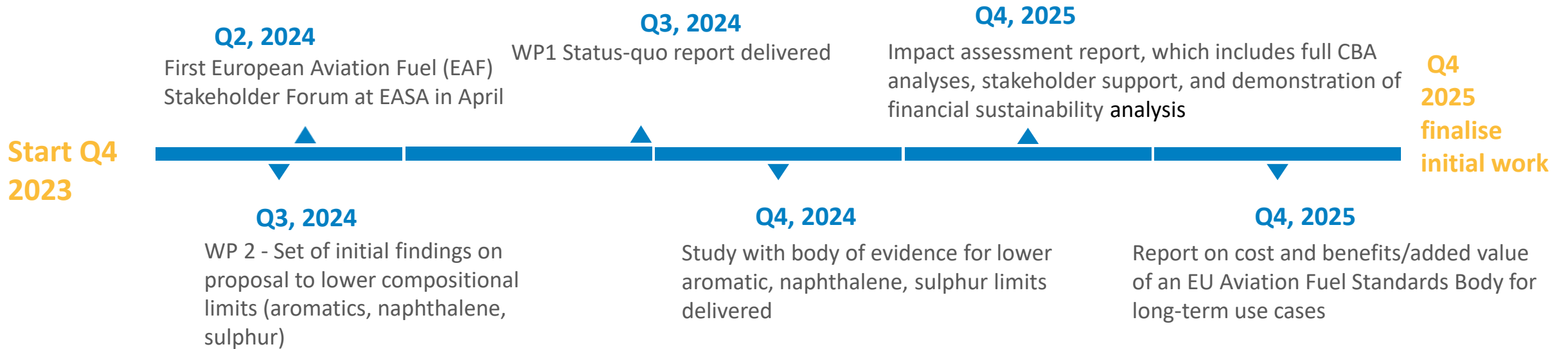
WP3

Long term use case: new  
fuel standard to maximize  
SAF benefits

WP4

Assess feasibility of an EU  
Aviation Fuel Standards  
Body

# Timeline



**Thank you for your attention !**

**Your safety is our mission.**